

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A calibration system for calibrating orientation parameters of a digital optoelectronic sensor system arranged in a mobile carrier for remote reconnaissance, said calibration system comprising:

an attitude and positioning determining system arranged in the mobile carrier for determining determined orientation parameters of the optoelectronic sensor system during travel of the mobile carrier;

at least two an optoelectronic ~~component~~ components, each emitting radiation in a defined direction with respect to the attitude and position determining system;

a reference module arranged in a known fixed location; and

a planar optical detector arranged relative to said optoelectronic ~~component~~ components for receiving a reflection of the radiation emitted by said optoelectronic ~~component~~ components and reflected from said reference module, wherein said attitude and positioning determining system is connected to said planar optical detector and operatively arranged for calculating calculated orientation parameters using the reflection of the radiation received by said planar optical detector and the known fixed location of said reference module, said planar optical detector being operatively connected to said attitude and position determining system so that is further operatively arranged for detecting offsets in the determined orientation parameters determined by said attitude and position determining system are detected by comparison of by comparing the determined orientation parameters determined by said attitude and positioning determining system to the calculated orientation parameters computed using the reflection of the radiation received by said planar optical detector and the known fixed location of said reference module.

2. (currently amended) The calibration system of claim 1, wherein each of said optoelectronic ~~component~~ components comprises a laser diode.

3. (original) The calibration system of claim 1, wherein said planar optical detector comprises a CCD matrix.

4. (original) The calibration system of claim 1, further comprising a CCD line scanner comprising CCD lines arranged on a focal plane of device optics for obtaining remote reconnaissance data, wherein said planar optical detector is arranged between said CCD lines.

5. (original) The calibration system of claim 4, wherein said optoelectronic components are arranged between said focal plane and said device optics such that they are located outside of a beam path of useful radiation of said CCD lines.

6. (original) The calibration system of claim 1, wherein said reference module comprises a mirror set in concrete.

7. (new) The calibration system of claim 5, wherein said planar optical detector comprises a CCD matrix arranged on said focal plane with said CCD lines.